

Claims

Sub A1

1. An information system for supplying a predetermined region with information, with a transmitter (3) for transmitting information in digitally coded form, a hand-held device 11, which comprises a receiver for receiving the information transmitted by the transmitter, a digital memory device for storing the information received, a reproduction device for reproducing the memorised information, in particularly acoustically and/or optically, and an event detection device for detecting specific events, wherein, upon the detection of an event from the memorised information, the information which is assigned to the detected event is selected for reproduction.

2. An information system according to Claim 1, **characterised in that** the transmission of the information from the transmitter to the receiver takes place more quickly than a subsequent reproduction by the reproduction device.

3. An information system according to Claim 1 or 2, **characterised in that** the information is multilingual.

4. An information system according to Claim 3,
characterised in that the hand-held device comprises
5 a selection device for selecting one of the
languages in which the information is transmitted.

5. An information system according to Claim 4,
characterised in that only the information which
10 comprises the language selected by means of the
selection device is stored in the memory device of
the hand-held device.

10. An information system according to one of the
preceding Claims,
15 **characterised in that** the event detection device
comprises a location determination device for
determining the present location, the event for
which the associated information is selected lying
within reach of a determined location.

20. An information system according to Claim 6,
characterised in that the location determination
device receives signals for determining the
location, which are emitted by signal generators
25 which are disposed in the region at predetermined
locations.

25. An information system according to Claim 7,
characterised in that the signal generators are
30 formed by infrared transmitters and/or induction
transmitters, each emitting a signal characterising
the location.

9. An information system according to one of the preceding Claims,
characterised in that the region is divided into several information cells in each of which a transmission device is disposed.

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10. An information system according to Claim 9,
characterised in that the transmitter transmits the information which is associated to events which can occur in the respective information cell.

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11. A method for supplying a predetermined region with information, in which information in digitally coded form is transmitted from a transmitter and is received by a receiver contained in a hand-held device and is stored in a digital memory device of the hand-held device, whereby, upon detection of an event from the memorised information, the information which is assigned to the detected event is selected for reproduction, in particularly acoustically or optically.

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30. 12. A method according to Claim 11,
characterised in that the transmission of the information from the transmission device to the receive device takes place more quickly than a subsequent reproduction by the reproduction device.

30. 13. A method according to Claim 11 or 12,
characterised in that the information is multilingual.

14. A method according to Claim 13,
characterised in that one of the languages in which
the information is transmitted is selected at the
hand-held device.

5. 15. A method according to Claim 14,
characterised in that only that information which
comprises the selected language is stored in the
memory device of the hand-held device.

10. 16. A method according to one of Claims 11 to 15,
characterised in that the event for which the
associated information is selected lies within reach
of a determined location.

15. 17. A method according to Claim 16,
characterised in that the location is determined by
signals which are emitted by signal generators which
are disposed in the region at predetermined
locations.

20. 18. A method according to one of Claims 11 to 17,
characterised in that the region is divided into
several information cells, in each of which the
information is transmitted, which information is
assigned to events which may occur in the respective
information cells.

25. 19. A method according to one of Claims 11 to 18,
characterised in that information with different
priority identification is transmitted, with
information with a higher priority identification,

for example warning messages, preferably being reproduced.

20. A method according to one of Claims 11 to 19,
5 **characterised in that** related information articles
are transmitted in individual sections, in each case
the initial sections of the information articles
being transmitted repeatedly in short time
intervals, so that after entering an information
10 cell at least the initial sections of the information
articles have been stored in the hand-
held device as quickly as possible, and the
following sections are stored for a later
reproduction when the reproduction of the first
15 section has already started.

21. A hand-held device for receiving, storing and
reproducing information in an information system
according to one of Claims 1 to 10, with
20 a receiver for receiving digitally coded
information,
a digital memory device for storing the information
received,
a reproduction device for reproducing the memorised
25 information, in particular acoustically and/or
optically,
an event detection device for the detection of
particular events, wherein, upon detection of an
event from the memorised information, the
30 information which is assigned to the detected event
is selected for reproduction.